

### Abstract

A method of producing volume renderings from magnetic resonance image data in real time with user interactivity. The method comprises collecting raw magnetic resonance image (MRI) data representative of shapes within an image volume; transferring the raw  
5 MRI data to a computer; and continuously producing volume renderings from the raw MRI data in real time with respect to the act of collecting raw MRI data representative of shapes within the image volume.

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